

Title (en)

METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE

Title (de)

VERFAHREN UND MIT EINER AUFBLASBARER KAMMER VERSEHENE VORRICHTUNG ZUM SCHEIDEN VON GEWEBESCHICHTEN

Title (fr)

PROCEDE ET APPAREIL A CHAMBRE GONFLABLE PERMETTANT DE SEPARER DES COUCHES DE TISSUS

Publication

**EP 0956077 A4 20090826 (EN)**

Application

**EP 96945432 A 19961227**

Priority

- US 9620830 W 19961227
- US 58356396 A 19960105

Abstract (en)

[origin: WO9725094A1] This invention is an apparatus for tissue dissection and instrument anchoring, including a dissection balloon (512) having a viewing window (508) at its distal end, or including an anchoring dissection balloon having a non-uniform elasticity selected to achieve desired inflation shape and pressure characteristics. The window, which can be a wide angle lens, is transparent and sufficiently strong to retain a desired optical shape while being pushed against tissue layers by a rigid instrument (515) deployed within the balloon. In preferred embodiments, the instrument includes a long necked dissection balloon deployed through a cannula, and a housing (513) to which the dissection balloon's mouth is attached. In accordance with a method of use of the invention, the distal end of the balloon is inserted between tissue layers and inflated to dissect the tissue layers.

IPC 1-7

**A61M 29/00**; **A61B 19/00**; **A61B 17/32**

IPC 8 full level

**A61B 1/12** (2006.01); **A61B 17/02** (2006.01); **A61B 17/22** (2006.01); **A61B 17/34** (2006.01); **A61B 19/00** (2006.01); **A61B 17/00** (2006.01); **A61B 17/30** (2006.01); **A61B 17/32** (2006.01); **A61B 19/02** (2006.01)

CPC (source: EP US)

**A61B 1/00082** (2013.01 - EP US); **A61B 17/0218** (2013.01 - EP US); **A61B 17/0281** (2013.01 - EP US); **A61B 17/22032** (2013.01 - EP US); **A61B 17/3421** (2013.01 - EP US); **A61B 17/3462** (2013.01 - EP US); **A61B 90/50** (2016.02 - EP US); **A61B 1/015** (2013.01 - EP US); **A61B 17/00234** (2013.01 - EP US); **A61B 17/3417** (2013.01 - EP US); **A61B 90/02** (2016.02 - EP US); **A61B 90/361** (2016.02 - EP US); **A61B 2017/00261** (2013.01 - EP US); **A61B 2017/00535** (2013.01 - EP US); **A61B 2017/00557** (2013.01 - EP US); **A61B 2017/22059** (2013.01 - EP US); **A61B 2017/306** (2013.01 - EP US); **A61B 2017/320044** (2013.01 - EP US); **A61B 2017/320048** (2013.01 - EP US); **A61B 2017/3486** (2013.01 - EP US); **A61B 2090/306** (2016.02 - EP US)

Citation (search report)

- [PX] US 5575759 A 19961119 - MOLL FREDERIC H [US], et al
- [E] WO 9713464 A2 19970417 - ORIGIN MEDSYSTEMS INC [US]
- See references of WO 9725094A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9725094 A1 19970717**; EP 0956077 A1 19991117; EP 0956077 A4 20090826; US 5779728 A 19980714

DOCDB simple family (application)

**US 9620830 W 19961227**; EP 96945432 A 19961227; US 58356396 A 19960105